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TI - Stabilization of aromatic amines

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JP55031135B B 19800815

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AB - Stabilities of arom. amines against air, light, or heat were improved by adding 5-500 ppm of an org. P compd., e.g., a phosphine, phosphite, or phosphate. When PhNH₂ (Hazen no. 30) was irradiated with a high pressure Hg lamp (450 W) for 5 min in the presence of 1-100 ppm PO₃Ph₃, the Hazen no. was 300-200 vs. 440 in its absence. By heating 100 min at 185.degree. in the presence of 0, 10, and 200 ppm PO₃Ph₃, the Gardner nos. (heat stability) for PhNH₂ were 14, 7, and 4, resp.